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| **Lesson Title:** Constellations |
| **Subject area / course / grade level:** 5th |
| **Introduction:** Class will begin with students naming stars and star patterns. Create a KWL chart. |
| **Lesson Length:** 45 minutes |
| **Materials:**  Computer, promethean board, workbook, brainpop, star charts, Pringles cans, hammer, nail, star maps, construction paper. |
| **Lesson Overview:**  We will then read and discuss information on constellations. The students will be introduced to a “star chart”, taught how to use it to identify constellations, and add it to their interactive Science notebook. (star chart file attached) |
| **Tennessee Standards:**  **SPI 0507.6.2** Select information from a complex data representation to draw conclusions about the planets.  **SPI 0507.6.3** Identify methods and tools for identifying star patterns. |
| **Lesson objective(s):**  Identify methods and tools for identifying stars. (Satellites, space probes and telescopes) |
| **ENGAGEMENT**  **Teacher will:**   1. **Create a star map prior to class and have it displayed for student observation.** 2. **When the students come in the room, the can will have a flashlight shining through it.** 3. **The lights will be off and one of the constellations will be shining on the wall or ceiling.** |
| **EXPLORATION**  Students will complete the star map activity. (Direction file attached) |
| **EXPLANATION**  Students will create a KWL chart with the lesson vocabulary words: light year, magnitude, star, and constellations.  What objects appear in the night sky?  What is a star?  How can we identify different constellations?  What are constellations?  Which tools can we use to identify different constellations? |
| **ELABORATION**  Class will end with an episode of brain pop on constellations. |
| **EVALUATION**  Students will be assessed on their ability to locate and identify stars using different tools and brain pop quiz. |